BRUHATH BENGALURU MAHANAGARA PALIKE

QUALITY CONTROL TEST REPORT

Client: Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.

Contractor: Sri KiranGowda D (Sri Channakeshwara Enterprises) , Contractor, Bangalore.

Name of Work: 'Maintenance and repairs of Footpath in Chowdeshwari ward no-02 of Yelahanka Sub division", BBMP, Bangalore

.

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QC ABSTRACT

Nameof Work: 'Maintenance and repairs of Footpath in Chowdeshwari ward no-02 of Yelahanka Sub division", BBMP, Bangalore.

Sl. No.	Item	Quantity As Per BOQ	Required No's of testes as per frequency	Actual No's of testes as per frequency	Testes Resuts
1	1:3:6	14.00Cum	1	1	Pass
2	Slab - 100mm	124.20 Sqm	1	1	Pass
3	Kerbstones	1556.00 Nos	1	1	Pass

Cubes

0-5 Cum	1Set
6-15 Cum	2Set
16-30 Cum	3Set
31-50 Cum	4Set
Add 1set for extra 50Cum	

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

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Job No.: CACE/BBMP/KGD/W.No.02/2023-24 Date: 05.10.2023

TEST REPORT

CLIENT	:	**Assistant Executive Engineer**, Yelahanka Sub division, BBMP, Bangalore.
AGENCY	:	**Sri KiranGowda D (Sri Channakeshwara Enterprises)** , Contractor, Bangalore.
NAME OF THE WORK	:	'Maintenance and repairs of Footpath in Chowdeshwari ward no-02 of Yelahanka Sub division", BBMP, Bangalore.
SAMPLE ID	:	Cement (Zuari OPC 53 Grade)
DATE OF MANUFACTURE		September - 2023
DATE OF TESTING		03.10.2023 to 05.10.2023

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	135 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	340 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.50 %	-

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Job No.: CACE/BBMP/KGD/W.No.02/2023-24

Date : 05.10.2023

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.**

Agency : **Sri KiranGowda D (Sri Channakeshwara Enterprises) , Contractor, Bangalore.**

Name of Work : 'Maintenance and repairs of Footpath in Chowdeshwari ward no-02 of Yelahanka Sub division", BBMP, Bangalore.

Date of Testing : 05.10.2023

IS Code : IS 383:2016

: IS 2386 (Part I):1963(RA 2011)

Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	81	8.10	8.10	91.9	90-100
2.36	147	14.70	22.80	77.2	75-100
1.18	165	16.50	39.30	60.7	55-90
600 Micron	162	16.20	55.50	44.5	35-59
300 Micron	249	24.90	80.40	19.6	8-30
150 Micron	158	15.80	96.20	3.8	0-10

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Job No.: CACE/BBMP/KGD/W.No.02/2023-24 Date : 05.10.2023

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.

Agency : Sri KiranGowda D (Sri Channakeshwara Enterprises) , Contractor, Bangalore.

Name of Work : 'Maintenance and repairs of Footpath in Chowdeshwari ward no-02 of Yelahanka Sub division", BBMP, Bangalore.

Date of Testing : 05.10.2023

Material : Sand - Masonry Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	19	1.90	1.90	98.1	90-100
1.18	72	7.20	9.10	90.9	70-100
600 Micron	132	13.20	22.30	77.7	40-100
300 Micron	248	24.80	47.10	52.9	5-70
150 Micron	498	49.80	96.90	3.1	0-15

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TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.**

Agency : **Sri KiranGowda D (Sri Channakeshwara Enterprises) , Contractor, Bangalore.**

Name of Work : 'Maintenance and repairs of Footpath in Chowdeshwari ward no-02 of Yelahanka Sub division", BBMP, Bangalore.

Date of Testing : 05.10.2023

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	181	3.6	3.6	96.4	95-100
10	2495	49.9	53.5	46.5	25-55
4.75	1971	39.4	92.9	7.1	0-10

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Date : 05.10.2023

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.**

Agency : **Sri KiranGowda D (Sri Channakeshwara Enterprises) , Contractor, Bangalore.**

Name of Work : "Maintenance and repairs of Footpath in Chowdeshwari ward no-02 of Yelahanka Sub division", BBMP, Bangalore.

Date of Testing : 05.10.2023

IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	182	1.21	1.21	98.79	95-100
20	8249	54.99	56.21	43.79	30-70
10	3157	21.05	77.25	22.75	10-35
4.75	2775	18.50	95.75	4.25	0-5

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Job No.: CACE/BBMP/KGD/W.No.02/2023-24

Date: 12.10.2023

KERB STONE (CORE) TEST REPORT

Client	:	: Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.
Agency	:	: Sri KiranGowda D (Sri Channakeshwara Enterprises) , Contractor, Bangalore.
Name of Work	:	: "Maintenance and repairs of Footpath in Chowdeshwari ward no-02 of Yelahanka Sub division", BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	12.10.2023
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia (Strength of the Core x 1.05)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	71.00	0.345	2474.75	1.42	0.937	26.30	13.39	14.47	13.56	16.95
2	50.00	73.00	0.352	2455.78	1.46	0.942	26.70	13.60	14.69	13.83	17.29
3	50.00	75.00	0.358	2431.04	1.50	0.946	26.90	13.70	14.80	14.00	17.50

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Job No.: CACE/BBMP/KGD/W.No.02/2023-24

Date: 12.10.2023

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client	:	: Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.
Contractor	:	: Sri KiranGowda D (Sri Channakeshwara Enterprises) , Contractor, Bangalore.
Name of Work	:	: "Maintenance and repairs of Footpath in Chowdeshwari ward no-02 of Yelahanka Sub division", BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	12.10.2023
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{25}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	78.00	0.371	2422.42	1.56	0.952	39.70	20.22	21.84	20.80	26.00
2	50.00	79.00	0.385	2482.01	1.58	0.955	39.90	20.32	21.95	20.95	26.19
3	50.00	80.00	0.393	2501.92	1.60	0.957	40.30	20.52	22.17	21.21	26.51

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